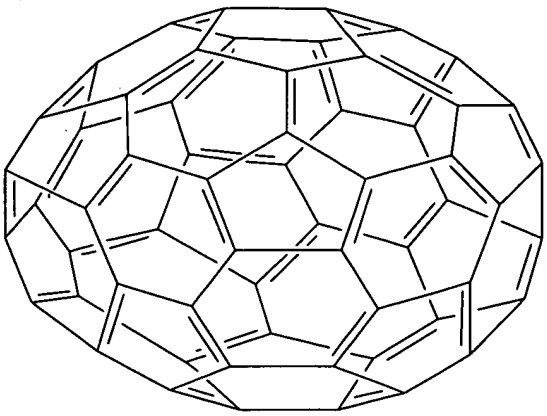

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=> d his; log y

     (FILE 'HOME' ENTERED AT 14:04:09 ON 09 JUN 2006)

     FILE 'REGISTRY' ENTERED AT 14:04:23 ON 09 JUN 2006
L1             2 S CUCURBITURIL?/CN
L2             0 S L1 AND FULLER?
L3           103 S CUCURBIT?/CN
L4             1 S L3 AND FULLER?

     FILE 'CAPLUS' ENTERED AT 14:08:15 ON 09 JUN 2006

     FILE 'REGISTRY' ENTERED AT 14:08:24 ON 09 JUN 2006

     FILE 'CAPLUS' ENTERED AT 14:08:27 ON 09 JUN 2006
L5             1 S L4


COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 5.57      35.96

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                   ENTRY    SESSION
CA SUBSCRIBER PRICE                                -0.75      -0.75

STN INTERNATIONAL LOGOFF AT 14:08:55 ON 09 JUN 2006
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L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:701849 CAPLUS Full-text
DN 141:207239
TI Preparation of cucurbituril-fullerene complex
IN Geckeler, Kurt E.; Constabel, F.
PA S. Korea
SO U.S. Pat. Appl. Publ., 5 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004167328	A1	20040826	US 2003-667221	20030917
	JP 2004256512	A2	20040916	JP 2003-292738	20030813
	DE 10350280	A1	20040916	DE 2003-10350280	20031028
PRAI	KR 2003-11583	A	20030225		

AB The present invention relates to a complex composed of cucurbituril and fullerene and a method for manufacturing the complex on a solid-phase. A complex in accordance with the present invention can be usefully used as a medicine delivery means in the field of pharmaceutics. Thus, cucurbit[7]uril-[60]fullerene complex was produced by crushing a mixture of 20.1 mg (28+10-3 mmol) [60]fullerene and 16.3 mg (14+10-3 mmol) cucurbit[7]uril (CB[7]) in a chrome steel mixing crusher using chrome steel crushing balls with the speed of 20 rpm for 1 to 10 h. After washing-out the produced CB[7]-C60 fullerene complex with warm water, 2 M NaOH was added to the solution to control its pH to be 12, followed by adding 20 mL toluene to dissolve the remaining CB[7] and non-coupled [60]fullerene. After dissolving excessive initial compds. by agitation the mixture for 30 min, the complex was allowed to precipitate The aqueous phase containing the insol. complex was frozen, so that the upper organic phase could be decanted. After leaving the aqueous-phase until it got back to room temperature, it was centrifuged at 0° with 5000 rpm for 10 min, and then water was poured out carefully. After washing the complex with pure water until its pH got to be neutral, the remained water was finally evaporated and the dark-brown complex was vacuum-dried to obtain the complex having the 1:2 weight ratio of cucurbit[7]uril to [60]fullerene (33% yield).

IT **742079-08-9P**, Cucurbit[7]uril-fullerene complex
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of cucurbituril-fullerene complex as pharmaceutical carrier)

RN 742079-08-9 CAPLUS

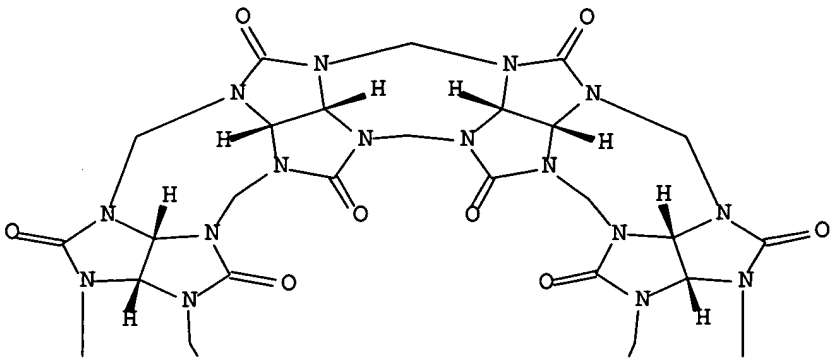
CN 2,18:3,17-Dimethano-2,3,4a,5a,6a,7a,8a,9a,10a,11a,12a,13a,14a,15a,17,18,19a,20a,21a,22a,23a,24a,25a,26a,27a,28a,29a,30a-octacosaazabispentaleno[1''''',6''''':5'''',6'''',7'''']cycloocta[1'''',2''''',3'''':3''',4''']pentaleno[1''',6''':5'',6'',7'']cycloocta[1'',2'',3'':3',4']pentaleno[1',6':5,6,7]cycloocta[1,2,3-cd:1',2',3'-gh]pentalene-1,4,6,8,10,12,14,16,19,21,23,25,27,29-tetradecone, tetradecahydro-, stereoisomer, compd. with [5,6]fullerene-C60-Ih (9CI) (CA INDEX NAME)

CM 1

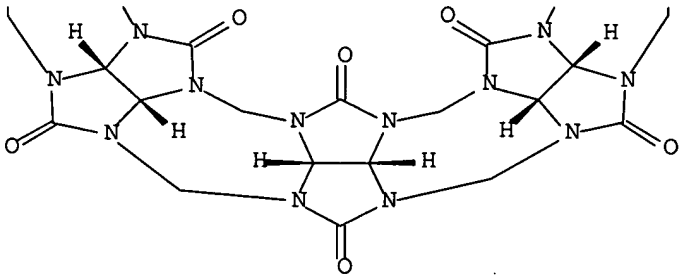
CRN 259886-50-5
CMF C42 H42 N28 O14

Relative stereochemistry.

PAGE 1-A



PAGE 2-A



CM 2

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CMF C60